

ANNUAL REPORT

OF THE

Medical Officer of Health

FOR THE

Urban District of Mold,

For the Year 1939.

MEDICAL OFFICER'S ANNUAL REPORT.

To the Chairman and Members of the
Mold Urban District Council.

Gentlemen,

I present my Annual Report for the year ending
December, 31st 1939.

Area (in Acres)—1160.

Population (estimated middle of 1939)—5880.

Number of Inhabited houses—1609.

Rateable Value—£33,512.

Sum represented by 1d. Rate—£137.

VITAL STATISTICS.

		Total	M.	F.	
LIVE BIRTHS:—					
Legitimate	..	92	40	52	Birth Rate per 1000 estimated population 16·1
Illegitimate	..	3	1	2	
STILL BIRTHS:—					
Legitimate	..	7	2	5	Rate per 1000 total (live and still) births 17·6
Illegitimate	..	2	..	2	
Deaths	..	78	44	34	Death Rate per 1000 estimated population 13·2 Rate, 9·61
Deaths from Puerperal Sepsis and other causes	..				

DEATH RATE OF INFANTS under 1 year of age : Rate.

All infants per 1000 live births	...	...	73
Legitimate Infants per 1000 legitimate live births	...	...	65.
Illegitimate Infants per 1000 illegitimate live births	...	...	33.
Deaths from Cancer	...	...	1.70
„ Measles	...	...	Nil.
„ Whooping Cough	...	...	Nil.
„ Diarrhœa (under 2 years)	...	...	Nil.

DEATHS.

All Causes	M.	F.
Scarlet Fever	1	1
Diphtheria	1	1
Influenza	2	1
Encephalitis Lethargica	1	
Tuberculosis of Respiratory System	2	
Cancer	8	2
Diabetis		1
Cerebral Hæmorrhage	3	5
Heart Disease	9	8
Other Circulatory diseases		1
Bronchitis	1	
Pneumonia (all forms)	2	4
Other Respiratory diseases		1
Other Liver diseases	1	1
Acute & Chronic Nephritis		2
Other Puerperal diseases		1
Congenital debility and Premature birth		1
Violence	2	
Other defined diseases	10	4
Disease ill-defined or not known	1	
Total	44	34

Public Health Officers of the Authority :—

Medical Officer of Health (part-time)—

I. PHILIPPINE NELIS,
L.R.C.P. & S.I., D.P.H.

Sanitary Inspector (part-time)—

EVAN T. WILLIAMS,
Cert. S.I.B., A.R.San. Inst.
(Meat & Foods).

To comply with Circular 2067 (Wales) issued by the Welsh Board of Health, dated July, 19th 1940, the essential matters arising for special report during the year are as follows.

Thanks to the energy of this Council in the past large numbers of houses have been built, and most of the unsatisfactory housing demolished, and the inhabitants rehoused according to their number in family. Owing to large Works in the vicinity and Evacuees, great overcrowding has begun, and this is causing the Council and its Officers to look forward to the future with anxiety.

(a)—Laboratory Facilities.

The Assaye Office, Chester, and Emergency Laboratories, Conway.

(b)—Ambulance Facilities.

Would be a boon to the district to which Mold is a centre. Apart from the County A. R. P. Ambulances restricted for special work, and are not built for serious cases. An Ambulance

must be obtained from Chester when an accident occurs, and this precludes sending the cases to Liverpool or other Orthopædic centre.

(c)—Nursing in the Home.

Voluntary organisations provide existing facilities

(d)—Treatment Centres and Clinics.

Administered by Flintshire County Council.

(e)—Hospitals.

There is a Cottage Hospital supported by Voluntary Subscriptions.

VITAL STATISTICS.

No. of Visits paid during the year.

To complaints or defects	...	...	40
To Bakehouses, Factories & Workshops			6
Dairies and Cowsheds	...	...	4
Milk Sampling	...	...	7
Infectious Diseases and Disinfection	...		34
House to House Inspections	...	...	33
Revisits under Housing Acts	...	...	47
Revisits under Public Health Acts	...		79
Re Overcrowding	...	...	95
Slaughter Houses	...	...	101
Shops and Food Stores	...	...	8
Shops Act, 1934	...	...	18
Food & Drugs Act, 1938, Sects. 14 & 57			44
Water Sampling	...	...	4
Rats & Mice Destruction Act, 1919	...		8
Verminous Premises	...	...	2
Total			530

Informal Notices Served—

Public Health Acts	...	28	Complied	11
Housing Acts	...	18	„	3

Statutory Notices Served—

Housing Acts	...	Nil	„	7
			(From last year).	
Public Health Acts	...	11	„	9

Work done after Informal Notices—

Public Health Acts.

Drain chokages or defects made good	...	4
Watercourses cleansed	... ..	1
Sanitary Conveniences repaired	...	5
Cesspools abolished and connections to sewer		2
Stable drainage improved	... ..	1
Eavesgutters repaired	... ..	1
Colliery shafts made safe	... ..	1
Joinery repairs	... ..	1
Plumbing repairs	... ..	1
Roof repairs	... ..	1

Housing Act—

General repairs to make house fit		
in all respects, etc.	... ..	2
Plaster repairs	... ..	2
Washing accommodation provided	...	2
Dampness remedied	... ..	2
Cooking facilities provided	... ..	2
Floors repaired	... ..	2
Sanitary conveniences repaired	...	2

Work done after Statutory Notice—

Public Health Acts.

Roofs repaired	...	...	...	2
Eavesgutters	...	...	...	3
Drainage	...	...	...	1
Sanitary conveniences repaired	...	...	...	6
Refuse Bins provided	...	...	...	1

Housing Act.

General repairs to make fit in all respects 7

(N.B. The above lists do not include visits or repairs to Council Houses).

Meat Inspection.

Carcases Inspected—

Bullocks	...	30
Heifers	...	36
Calves	...	3
Pigs	...	143
Sheep	...	150

Condemned—

Bullocks Lungs	...	4	(Pneumonia & Hydatids).
Bullocks Heart	...	1	(Endocarditis).
Bullocks Livers	...	5½	(Cirrhosis & Distomatosis).
Heifers Lungs	...	2	(Pleurisy, Pneumonia & Hydatids).
Heifers Livers	...	5	(Cirrhosis and Degeneration).
Pigs Livers	...	2	(Cirrhosis).
Pigs Heads	...	5	(T.B.).
Sheep Livers	...	4	(Degeneration, Necrosis, Parasites).

Other Foods Condemned—

Tins of Tongue	...	3lbs	(Putrefaction).
Filletted Haddock	...	21lbs	(Putrefaction).

Details of Water Samples Taken.

No.	Date.	Taken by.	Sent to.	Analysis.	Report of Analyst.	Remarks of Analyst.	Taken at.
1	20 1/39	Mold U.D.C.	Pathological Dept., Royal Infirmary, Chester.	Biological	Organisms on Gelatine, 3 days; 20-22°C—960 per c.c. Agar, 2 days; 37-50°C—12 per c.c. B. Coli present in 15 c.c. Streptococci absent in 10 c.c. B. Enf. Sporogenes absent in 50 c.c.	Shows presence of small amount of contamination which should be removed before water can be considered suitable for domestic purposes	Hillside, Ruthin Rd. Mold
2	Not Known	Mrs. Tidswell	Do.	Do.	Gelatine 3 days, 20-22°C—1600 per c.c. Agar 2 days, 37-50°C—22 " B. Coli present in 25 c.c. Strepto. absent in 10 c.c. B. Enf. Sporog absent in 50 c.c.	This water should be further purified before it can be considered as satisfactory for domestic purposes	"Llys Derwen," Wrexham Rd., Mold
3	18/2/39	Mold U.D.C.	Do.	Do.	Gelatine 3 days, 20-22°C—80 per c.c. Agar 2 days, 37-50°C—27 " B. Coli present in 100 c.c. Strepto. absent in 10 c.c. B. Enf. Sporog, absent in 50 c.c.	This is the usual result at this stage	Intake end of service reservoir of Mold Water Co.
4	12/6/39	Mold U.D.C.	Do.	Do.	Gelatine 3 days, 20-22°C—48 per c.c. Agar 2 days, 37-50°C—1 " B. Coli present in 10 c.c. Strepto. absent in 10 c.c. B. Enf. Sporog. absent in 50 c.c.	This is a good water. There is a typical strain of B. Coli in 10 c.c. which could be accidental contamination. The general bacteriological picture of the water, however, is satisfactory	"Chetwynd," Hendy Rd. Mold

No.	Date.	Taken by.	Sent to.	Analysis.	Report of Analysis.	Remarks of Analyst.	Taken at
5	25.6.39	Mold Gas & Water Co.	Public Analyst	Biological	Agar 3 days, 20°C—450 per c.c. " 2 days, 37°C—38 per c.c. B. Coli present in 100 c.c. B. Coli absent in 50 c.c.	This sample is satisfactory	Service Reservoir
<p>Since Sample No. 4 was taken a temporary Chlorination plant was installed at the Impounding Reservoir Outfall, pending the provision of permanent chlorination apparatus.</p>							
6	22/8/39	Holywell R.D.C., who derive part of their supply from the Mold Co.	Public Analyst	Biological	Agar 3 days, 20°C—60 per c.c. " 2 days, 37°C—15 per c.c. B. Coli present in 100 c.c. B. Coli absent in 50 c.c.	This sample is satisfactory	Cottage, Cadole. Nr. Mold

Slaughter Houses—

The matter of Slaughter Houses has caused me anxiety in the past, on account of dark unsuitable premises, and lack of inspection. Unfortunately the new arrangements are far from ideal, and with so many Officials and Inspectors, it should be possible that improvements might be established without difficulty. The dual inspection by more than one Sanitary Inspector is unfortunate, the space absolutely inadequate, cruelty is inevitable and in spite of the policy of the Ministry to foster humane killing, this is not done. The premises are used for keeping large numbers of sheep and lambs, the smell of blood cannot be eliminated, and it is impossible to slaughter them out of view of each other. There is no water laid on for drinking in waiting and makeshift pens, deplorable in hot weather. This and many other similar regulations are evaded. An ignorant notion exists, that depriving animals of water, improves the keeping quality of the meat. The opposite view is held scientifically.

As such drastic changes have been effected, it is surely possible that improvement could still be made, instead of things done in the name of the Government, which would not be tolerated otherwise. In spite of inspection, the meat cannot be kept clean in a restricted space, and this applies forcefully where Tubercular animals already diagnosed by a Veterinary Surgeon (as well as those only suspected) are killed in the same place, whereas they could easily be slaughtered in one of the still licensed Slaughter Houses standing idle.

PREVALENCE AND CONTROL OF INFECTIOUS DISEASE.

Age Periods	Under													Total.
	1	1	2	3	4	5	10	15	20	35	45	65		
Disease.														
Scarlet Fever	...	1	1	...	1	1	4	...	1	...	1	...	...	10
Diphtheria	4	3	2	1	1	...	...	11
Puerperal Pyrexia	2	1	...	...	3
Cerebro-spinal Fever	1	...	...	...	...	...	...	...	1
Erysipelas	1	...	1
Whooping Cough	1	...	...	2	...	...	...	...	...	...	3
Pneumonia	1	1	2	1	7	...	12
	1	1	...	2	2	8	5	4	4	5	2	7	...	41

	Sent to Hospital. Death.		Rate.	
Scarlet Fever	...	1	2	1.74
Diphtheria	...	3	2	1.92
Puerperal Pyrexia	0.52
Cerebro-spinal Fever	...	1	...	0.17
Erysipelas	0.17
Whooping Cough	0.53
Pneumonia	6	1.09
		5	10	7.17

TUBERCULOSIS.

Ages.	NEW CASES.				DEATHS.			
	Respiratory.	Non-		Respiratory.	Non-			
		respiratory.			respiratory.			
	M.	F.	M.	F.	M.	F.	M.	F.
0
1
5
15	...	1	...	...	...	...	...	...
25
35	...	1	...	...	...	...	...	...
45	...	2	...	...	...	...	...	...
55	1	...	1	...	2	...	...	...
65 upwards
Total	1	4	1	...	2	...	...	...

Rate ... 1.04

Death Rate03

All cases of Tuberculosis have been notified and there has been no cause for action to be taken.

Ophthalmia Neonatorum—Nil.

Prevention of Blindness—Administered by County Council.

I. PHILIPPINE NELIS,

Medical Officer of Health,

The Manse, Mold,
Sept., 21st 1940.

